

WHAT IS CLAIMED IS:

1. A screwdriver comprising:

a handle having a plastic gear mechanism and a bit engaging device connected to a first end of the gear mechanism, a power source
5 connected to the gear mechanism, a positive plate and a negative plate respectively connected to the gear mechanism received in the handle, a light frame connected to the gear mechanism and at least one light bulb connected to the light frame, a positive ring and a negative ring respectively engaged with the light frame, a spring mounted to the bit
10 engaging device and connected between the negative ring and the negative plate, the at least one light bulb connected to the positive ring and the negative ring, a gap defined between the positive plate and an extension of the positive ring, and

an annular switch rotatably mounted to the light frame and
15 including a touch piece which contacts both of the position plate and the extension of the positive ring to light the at least one light bulb.

2. The screwdriver as claimed in claim 1, wherein the touch piece protrudes inward from an inner periphery of the annular switch.

3. The screwdriver as claimed in claim 1, wherein the gear
20 mechanism includes two grooves longitudinally defined therein so that the positive plate and the negative plate are respectively engaged with the two grooves.

4. The screwdriver as claimed in claim 1 further comprising a fixing ring which is engaged with the first end of the gear mechanism and includes a central hole through which the bit engaging device extends, two positioning holes and at least one bulb hole defined through the fixing ring, the light frame including two positioning rods which extend through the positioning holes and the at least light bulb extends through the at least one bulb hole.

5. A screwdriver comprising:

a handle having a plastic gear mechanism received therein and a bit engaging device connected to a first end of the gear mechanism, a power source connected to the gear mechanism, a positive plate and a negative plate respectively connected to the gear mechanism, at least one light bulb connected to the first end of the gear mechanism, a positive ring mounted to the bit engaging device and including a positive lug and a negative lug, the at least one light bulb connected to the positive lug and the negative plate, a gap defined between the positive plate and the negative lug, and

an annular switch rotatably mounted to the gear mechanism and including a pressing portion to press onto the positive ring and a touch piece which contacts both of the position plate and the negative lug of the positive ring to light the light bulb.

6. The screwdriver as claimed in claim 5, wherein the touch piece protrudes inward from an inner periphery of the annular switch.

7. The screwdriver as claimed in claim 5, wherein the gear mechanism includes two grooves longitudinally defined therein so that the positive plate and the negative plate are respectively engaged with the two grooves.

5 8. The screwdriver as claimed in claim 5 further comprising a fixing ring which is engaged with the first end of the gear mechanism and including a central hole through which the bit engaging device extends, two positioning holes and at least one bulb hole defined through the fixing ring, two positioning rods extending from the end surface of the
10 handle and extending through the positioning holes and the at least light bulb extending through the at least one bulb hole.

9. A screwdriver comprising:

a handle having a metal gear mechanism and a bit engaging device connected to a first end of the gear mechanism, a power source
15 connected to the gear mechanism, a positive plate connected to the gear mechanism received in the handle, a light frame connected to the gear mechanism and at least one light bulb connected to the light frame, the positive plate connected to the light frame, a positive ring and a negative ring respectively engaged with the light frame, a conductive spring ring
20 and a fixing collar respectively mounted to the bit engaging device such that the conductive spring ring contacting the negative ring, the at least one light bulb connected to the positive ring and the negative ring, a gap

defined between the positive plate and an extension of the positive ring,
and

an annular switch rotatably mounted to the light frame and
including a touch piece which contacts both of the position plate and the
5 extension of the positive ring to light the at least one light bulb.

10. The screwdriver as claimed in claim 9; wherein the touch
piece protrudes inward from an inner periphery of the annular switch.

11. The screwdriver as claimed in claim 9, wherein the gear
mechanism includes a groove longitudinally defined therein so that the
10 positive plate is engaged with the groove.

12. The screwdriver as claimed in claim 9 further comprising a
fixing ring which is engaged with the first end of the gear mechanism and
includes a central hole through which the bit engaging device extends,
two positioning holes and at least one bulb hole defined through the
15 fixing ring, the light frame including two positioning rods which extend
through the positioning holes and the at least light bulb extends through
the at least one bulb hole.

13. A screwdriver comprising:

a handle having a metal gear mechanism received therein and a
20 bit engaging device connected to a first end of the gear mechanism, a
power source connected to the gear mechanism, a positive plate
connected to the gear mechanism, a torque adjusting device mounted to
the bit engaging device and having a base, a collar, a torque scale plate, a

rotatable cap and an end piece, the base having a flange and a threaded tube extending from the flange, the collar mounted to the threaded tube, the flange having a plurality of holes and each having a spring extending therethrough, an end of each spring contacting a pin which urges a bead
5 received in recesses defined in an end surface of the handle, the other end of each spring contacting the collar, the torque scale plate mounted to the threaded tube and the rotatable cap threadedly connected to the threaded tube and compressing the torque scale plate, a plurality of beads engaged between the torque scale plate and the rotatable cap;

10 a positive plate connected to the torque adjusting device and connected to a power source, the flange of the base engaged with a positioning ring and having an extension, a conductive port connected to the extension, a conductive ring connected to an end of the threaded tube, an end of the positive plate connected to the extension and a gap defined
15 between the conductive port and the positive plate;

a light frame connected to a negative ring which has two connection pieces and a connection portion connected to an end of the light frame, the connection portion connected with the positioning ring
80 and a position ring connected to the connection portion, the positive
20 ring having two connection pieces so that two light bulbs connected to the two connection pieces and two connection pieces of the negative ring, the springs pushing the conductive ring on the threaded tube to contact the positive ring, and

an annular switch rotatably mounted to the positioning ring and having a touch piece which contacts the positive plate and the conductive port to light the light bulbs.